



PROVISION COALITION

PROCESSING FOOD SUSTAINABLY

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Brief 2: Food & Beverage Substance List: Domestic Substances List Inventory Update

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Background

This brief is accompanied by the spreadsheet titled, Food and Beverage Substance List DSLIU2. The brief and spreadsheet are a follow up to Provision Coalition Brief #1; Domestic Substances List Inventory Update. Provision Coalition members are encouraged to read Brief #1 as it provides context and background to this substance list.

Food and Beverage Substance List DSLIU2

Appendix 1 below and the spreadsheet of food and beverage substances (Food and Beverage Substance List DSLIU2) were derived from the list of substances in Schedule 1 of the Domestic Substances List Inventory Update (DSL IU2), published in Canada Gazette Part I in December 2012. <http://www.gazette.gc.ca/rp-pr/p1/2012/2012-12-01/html/sup-eng.html>

The Food and Beverage Substances List DSLIU2 is not a comprehensive list of the food and beverage substances that may be on the published list. However, it provides Provision Coalition members with examples of the scope of substances such as food additives (e.g., guar gum; starch oxidized), packaging materials (e.g., Dextrin, polymer with formaldehyde), process intermediates (e.g., corn steep liquor), flavours and fragrances (e.g., Cyclohexane, 1-ethenyl-1-methyl-2-(1-methylethenyl)-4-(1-methylethyl)-, didehydro deriv.), and pesticides (e.g., Poly(oxy-1,2-ethanediyl), α -(4-nonylphenyl)- ω -hydroxy) of relevance and importance to the food and beverage industry contained within the list.

Substances on the Food and Beverage Substance List DSLIU2 are grouped according to whether they are listed in Part I or Part II (see table below for how substances are categorized) of Schedule 1 of the published list.

Common names (or common technical names) of the chemical substances have been used in the list where readily available. Note that common names do not refer to the trade name, which would be the name used by a supplier for a chemical or substance. Trade names were not used as there may be multiple trade names for a single chemical or substance.

Company Specific Comprehensive List

To develop the comprehensive list of substances relevant to your company and for which your company may be required to report data to Environment Canada (see Brief #1), each company should review the list published in Canada Gazette Part I to determine whether food additives, ingredients, processing aids, packaging materials (including printing inks, packaging adhesives) processing chemicals (e.g., chemicals in cleaners, sanitizers, boiler water treatment chemicals), or other substances which are in your products are on the list.

Companies importing substances as a component of a finished good may have to work with their supplier to determine whether the substances on the published list are present in the products which they import.

Determining Reporting Requirements

Companies are required to report information to Environment Canada if:

1. They manufacture the substance or chemical in Canada.
2. They are the importer of record that imports the substance or chemical in its pure state into Canada.
 - a. The importer of record is the company that declares to the Canada Border Services Agency (CBSA) import documentation that they are responsible for the payment of Canadian duties and taxes to Canada Revenue Agency on substances, chemicals or finished products that are imported into Canada.
3. They are the importer of record that imports the substance or chemical as a component or ingredient of a finished product.

Companies DO NOT have to report information if they simply use a substance or chemical to manufacture a product, or as an ingredient of a finished good that they have purchased from another company in Canada.

Reporting Requirement

Companies are required to submit data for substances listed in Part I of the published list if the amount of the substance that the company manufactured in Canada or imported into Canada (either alone or as an ingredient in a final product) is greater than 1,000 kg during the 2011 calendar year.

For substances listed in Part II, data must be submitted if the amount manufactured in Canada or imported into Canada (either alone or as an ingredient in a final product) is greater than 100 kg during the 2011 calendar year.

Where Substance is Listed	Amount Manufactured or Imported Triggering Reporting	Calendar Year for Which Amount is to be Reported
Part I	>1,000 kg	2011
Part II	>100 kg	2011

Details of the information that is to be reported can be found in the Domestic Substances Inventory Update guidance document (<http://www.ec.gc.ca/ese-ees/default.asp?lang=En&n=66FA57D0-1>)

Deadline for Submission

Companies are required to submit the data for eligible substances to Environment Canada by **September 4, 2013, 5 p.m., Eastern Daylight Saving Time.**

Companies may request an extension. Information on how to submit a request for extension is included in Brief #1. An example letter requesting an extension from Environment Canada was provided in earlier communication from Provision Coalition.

Appendix 1: Food and Beverage Substance List - Environment Canada Domestic Substances List Inventory Update Phase 2

The following table is NOT a comprehensive list; it provides Provision's members with examples of food and beverage substances contained on the DSL update list. Substances are listed as they appear in Part I and Part II of the lists in the update.

Part I	
CAS #	Substance Name
1401-55-4	Tannins
9000-01-5	Gum arabic
9000-07-1	Carrageenan
9003-39-8	2-Pyrrolidinone, 1-ethenyl-, homopolymer
9003-53-6	Benzene, ethenyl-, homopolymer
9004-57-3	Cellulose, ethyl ether
9004-58-4	Cellulose, ethyl 2-hydroxyethyl ether
9004-66-4	Iron dextran
9005-35-0	Alginic acid, calcium salt
9005-37-2	Alginic acid, ester with 1,2-propanediol
9007-34-5	Collagens
9045-28-7	Starch, acetate
9063-38-1	Starch, carboxymethyl ether, sodium salt
25053-96-7	Formaldehyde, polymer with 2-methylphenol
53124-00-8	Starch, hydrogen phosphate, 2-hydroxypropyl ether
53740-05-9	Dextrin, polymer with formaldehyde
55963-33-2	Starch, hydrogen phosphate
56780-58-6	Starch, 2-hydroxy-3-(trimethylammonio)propyl ether, chloride
63148-62-9	Siloxanes and Silicones, di-Me
65996-62-5	Starch, oxidized
67762-90-7	Siloxanes and Silicones, di-Me, reaction products with silica
67953-80-4	2-Propenamide, polymer with formaldehyde and γ -methylmethanamine
68410-45-7	Gelatins, hydrolyzates
68512-26-5	Starch, 2-hydroxyethyl ether, base-hydrolyzed
113894-91-0	Amylopectin, acetate phosphate
Part II	
CAS #	Substance Name
67-97-0	9,10-Secocholesta-5,7,10(19)-trien-3-ol, (3 β ,5Z,7E)- also called colecalciferol
68-26-8	Retinol
69-72-7	Benzoic acid, 2-hydroxy-
79-09-4	Propanoic acid
79-10-7	2-Propenoic acid

99-76-3	Benzoic acid, 4-hydroxy-, methyl ester
97-53-0	Phenol, 2-methoxy-4-(2-propenyl)-
98-00-0	2-Furanmethanol
100-52-7	Benzaldehyde
106-70-7	Hexanoic acid, methyl ester
107-92-6	Butanoic acid
109-99-9	Furan, tetrahydro-
110-00-9	Furan
112-05-0	Nonanoic acid
112-30-1	1-Decanol
112-38-9	10-Undecenoic acid
124-13-0	Octanal
124-19-6	Nonanal
124-41-4	Methanol, sodium salt
127-36-6	1-Phenanthrenemethanol, 1,2,3,4,4a,4b,5,6,7,9,10,10a-dodecahydro-1,4a-dimethyl-7-(1-methylethyl)-
128-37-0	Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-
139-05-9	Sulfamic acid, cyclohexyl-, monosodium salt
302-79-4	Retinoic acid
431-03-8	2,3-Butanedione
489-40-7	1H-Cycloprop[e]azulene, 1a,2,3,4,4a,5,6,7b-octahydro-1,1,4,7-tetramethyl-, [1aR-(1a α ,4 α ,4a β ,7b α)]-
639-99-6	Cyclohexanemethanol, 4-ethenyl- α,α ,4-trimethyl-3-(1-methylethenyl)-, [1R-(1 α ,3 α ,4 β)]-
1066-33-7	Carbonic acid, monoammonium salt
1317-39-1	Copper oxide (Cu ₂ O)
1344-28-1	Aluminum oxide (Al ₂ O ₃)
1405-92-1	1H-3a,7-Methanoazulene-6-methanol, 2,3,4,7,8,8a-hexahydro-3,8,8-trimethyl-, acetate, [3R-(3 α ,3a β ,7 β ,8a α)]-
1520-44-1	Benzene, 1,1'-(1-methyl-1,3-propanediyl)bis-
2492-26-4	2(3H)-Benzothiazolethione, sodium salt
3738-00-9	Naphtho[2,1-b]furan, dodecahydro-3a,6,6,9a-tetramethyl-
3918-33-0	Cyclohexanone, 3-(5,5,6-trimethylbicyclo[2.2.1]hept-2-yl)-
7235-40-7	β,β -Carotene
7553-56-2	Iodine
7631-90-5	Sulfurous acid, monosodium salt
7631-99-4	Nitric acid sodium salt
7664-38-2	Phosphoric acid
7681-11-0	Potassium iodide (KI)
7681-57-4	Disulfurous acid, disodium salt

7681-82-5	Sodium iodide (NaI)
7758-98-7	Sulfuric acid copper(2++) salt (1:1)
7782-50-5	Chlorine
7783-20-2	Sulfuric acid diammonium salt
7783-28-0	Phosphoric acid, diammonium salt
7785-88-8	Phosphoric acid, aluminum sodium salt
7790-86-5	Cerium chloride (CeCl ₃)
8000-46-2	Oils, geranium
8006-78-8	Oils, bay
8007-01-0	Oils, rose
8007-02-1	Oils, lemongrass
8007-08-7	Oils, ginger
8008-31-9	Oils, mandarin
8008-52-4	Oils, coriander
8008-57-9	Oils, orange, sweet
8008-93-3	Oils, wormwood
8013-01-2	Yeast, ext.
8014-19-5	Oils, palmarosa
8015-77-8	Oils, bois de rose
8016-37-3	Oils, myrrh
8016-85-1	Oils, tangerine
8016-88-4	Oils, tarragon
8021-28-1	Oils, fir
8022-56-8	Oils, sage
8022-96-6	Oils, jasmine
8023-75-4	Oils, jonquil
8024-06-4	Oils, vanilla
8024-43-9	Perfumes and Essences, jasmin
8027-33-6	Alcohols, lanolin
9015-54-7	Protein hydrolyzates
9016-45-9	Poly(oxy-1,2-ethanediyl), α-(nonylphenyl)-ω-hydroxy-
10043-67-1	Sulfuric acid, aluminum potassium salt (2:1:1)
10102-71-3	Sulfuric acid, aluminum sodium salt (2:1:1)
10361-29-2	Carbonic acid, ammonium salt
10361-65-6	Phosphoric acid, triammonium salt
10579-93-8	Bicyclo[7.2.0]undec-4-ene, 4,11,11-trimethyl-8-methylene-, [1S-(1R,4E,9S)]-
11028-42-5	Cedrene
11103-57-4	Vitamin A
13601-19-9	Ferrate(4-), hexakis(cyano-C)-, tetrasodium, (OC-6-11)-
25339-17-7	Isodecanol

25428-43-7	3-Cyclohexene-1-methanol, α ,4-dimethyl- α -(4-methyl-3-pentenyl)-, (R,R)-(\pm)-
26027-38-3	Poly(oxy-1,2-ethanediyl), α -(4-nonylphenyl)- ω -hydroxy-
30982-35-5	Benzeneacetic acid, 2-(6,6-dimethylbicyclo[3.1.1]hept-2-en-2-yl)ethyl ester
54043-73-1	1-Cyclopentene-1-propanol, β ,2-dimethyl-5-(1-methylethenyl)-, acetate
55066-54-1	Bicyclo[2.2.1]heptan-2-ol, 1,3,3-trimethyl-, benzoate
61790-12-3	Fatty acids, tall-oil
66071-94-1	Corn, steep liquor
67860-00-8	1H-Indole-3-heptanol, η -1H-indol-3-yl- α , α , ϵ -trimethyl-
68603-15-6	Alcohols, C6-12
68604-99-9	Fatty acids, C18-unsatd., phosphates
68647-58-5	Aluminum, benzoate hydrogenated tallow fatty acid iso-Pr alc. complexes
68845-02-3	Benzoic acid, 2-[[2,4-dimethyl-3-cyclohexen-1-yl)methylene]amino]-, methyl ester
68845-33-0	Cyclohexane, 1-ethenyl-1-methyl-2-(1-methylethenyl)-4-(1-methylethyl)-, didehydro deriv.
68855-54-9	Kieselguhr, soda ash flux-calcined
68907-19-7	Azulene, 1,2,3,4,5,6,7,8-octahydro-1,4-dimethyl-7-(1-methylethyl)-, didehydro deriv.
68917-29-3	Terpenes and Terpenoids, clove-oil
68917-65-7	Terpenes and Terpenoids, vetiver-oil
68917-75-9	Oils, wintergreen
68920-10-5	Fats, animal, mixed with vegetable oils, deodorizer distillates
68990-53-4	Glycerides, C14-22 mono-
70131-50-9	Bentonite, acid-leached
70657-70-4	1-Propanol, 2-methoxy-, acetate
70892-62-5	1-Naphthalenepropanol, α -ethenyldecahydro-2-hydroxy- α ,2,5,5,8a-pentamethyl-, [1R-[1 α (R),2 β ,4 α ,8 α]]-, oxidized
72403-67-9	3-Cyclohexene-1-methanol, 3(or 4)-(4-methyl-3-pentenyl)-, acetate
90028-66-3	Evening primrose, <i>Oenothera biennis</i> , extract
90045-36-6	Ginkgo biloba, extract
90045-38-8	Ginseng, <i>Panax quinquefolium</i> , extract
90989-74-5	Blood, meal
91744-55-7	Glycerides, lard mono-, hydrogenated
92044-87-6	Fatty acids, coco, 2-ethylhexyl esters
92113-31-0	Collagens, hydrolyzates
95851-08-4	Cyclohexanepropanol, 2,2,3,6-tetramethyl-j-propyl-
107898-54-4	4-Penten-2-ol, 3,3-dimethyl-5-(2,2,3-trimethyl-3-cyclopenten-1-yl)-
125328-62-3	Nitriles, canola-oil
125328-63-4	Nitriles, canola-oil, hydrogenated
125328-64-5	Nitriles, rape-oil, hydrogenated
127032-53-5	Protein hydrolyzates, poultry-feather

152923-48-3	Amylase, í-, Bacillus amyloliquefaciens
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